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SCHOLARSHIP
RECOGNITION LUNCHEON

A P R I L 3 , 2 0 1 5





Welcome from Dean Hsu

My warmest welcome and heartiest congratulations to all of the scholarship recipients! We at the Charles W. Davidson College of Engineering are extremely proud you have been awarded these prestigious scholarships and by your decisions to pursue your academic explorations at the Davidson College of Engineering at San José State University. I would also like to extend my heart-felt appreciation to our individual and company donors for supporting the dreams and aspirations of these inspiring students.

By choosing SJSU to pursue your higher education, you will have ample opportunity to work with many of the nation's best educators while acquiring real world experience with Silicon Valley industries. You have chosen a college that is among the top U.S. institutions providing bachelors and masters level engineering education, and just this year, U.S. News & World Report named SJSU's Computer Engineering program as the best in the nation. Additionally, several other media and industry publications puts SJSU on the top of a short but prestigious list of the most desirable universities from which new engineers are hired by Silicon Valley industries.

Once again, I offer my congratulations and welcome you to our college.

Andrew Hsu

Don Beall Dean, Charles W. Davidson College of Engineering

April 3, 2015

11:30 am – 2:00 pm

11:30 Registration & Appetizer Reception

12:00 Program

1:00 Luncheon

Welcome Remarks

Andrew Hsu

*Don Beall Dean
Charles W. Davidson College
of Engineering*

Sponsor Speakers

Arnold Wong

*Harry Wong Memorial
Scholarship*

Dana C. Ditmore

Ditmore Family Scholarship

Paul Hickman

Hickman Family Scholarship

Rebecca Hickman

Hickman Family Scholarship

Robin Ching

Ching Family Scholarship

Recipient Speakers

Michael Souza

Harry Wong Memorial Scholar

Ronny Elor

*National Science Foundation
Engineering Leadership
Pathway Scholar*

SPEAKERS



Arnold Wong

"I want to help those who are not necessarily "A" students but still want to learn and improve their lives" – *Harry Wong*



Dana C. Ditmore has more than 25 years of distinguished senior management experience in high technology environments, including roles in general management, engineering, quality, procurement and human resources, and global responsibility for operations in North American and around the world. Throughout his career, Ditmore has provided vision and leadership in helping companies focus on opportunities to grow and develop profitable, well-managed business units, while managing the balance between a strong customer focus and responsible financial performance. He and his wife are sponsors of the Ditmore Family Scholarship at the SJSU Davidson College of Engineering.



Paul L. Hickman obtained his Bachelor of Science degree in Electrical Engineering from San Jose State University in 1985. In addition to his BSEE, he holds an AB degree in Psychology from Stanford University, an M.A. in Entrepreneurship & Innovation from Cogswell Polytechnical College and a J.D. from Santa Clara University School of Law. Mr. Hickman practices patent, trademark, copyright and entertainment law at the TIPS Group law firm, which maintains offices in Palo Alto and Santa Monica, California to serve its technology and entertainment law clients. His avocations include entrepreneurship, innovation and TV/film production. One of Mr. Hickman's current projects is the Got Startup TV talk-show (www.gotstartupshow.com), which is available to Public TV stations nationwide.



Rebecca Hickman is an Executive Officer and member of the Board of Trustees for Silicon Valley Creates, a non-profit organization that ignites investment in the arts in Santa Clara County. For the last five years, Rebecca has been an advocate for SVC's art programs for youth-at-risk which includes a digital media partnership program with Adobe Youth Voices that that teach teens how to create documentaries, music videos, digital story telling, audio production, and animations.



Robin Ching (SJSU '77 Chemical Engineering) and her husband Stephen Ching have had a family tradition of contributing to SJSU for a number of years. It all started while Robin was a student here herself. She recalls her Chemical Engineering professors emphasizing the importance of staying connected with each other and their university during some of her final classes on campus. Following graduation, Robin spent her professional career working as an R&D Project Manager for Hewlett-Packard. Stephen, a ceramic engineering graduate of the University of Washington, also worked for Hewlett-Packard, then General Instruments and later founded his own company, Isolink which produces components used in technology all over the world. Robin and Stephen are now enjoying retirement. Among their numerous interests, Robin and Stephen believe in the power of education and helping and encouraging students by supporting student scholarships at both of their alma maters as well as Stephen's high school.

2014 – 2015 SCHOLARS

Applied Materials Scholars

Juliana Dinora Camargo, CmpE
Jordan Helledy, BioMed
Michael Lee, CmpE

AMT-WiE Scholar

Kiersten Miller, CE

Walter C. Benzing Scholar

Brian Todd Dowdle, MatE
Eri Ashley Takami, BioMed

Cadence/EE Silicon Valley Scholar

Magdalena Gusak, EE

California Homebuilding Foundation-Babbitt Scholar

Ronald Short, CE

Ching Family Scholar

Alyssa Walker, GE

Charles W. Davidson Scholars

Jared Gochuico, CE
Yvette Valdez-Carranza, CE

Constantino-Roelandts Scholars

Jo-Anna Marie Reyes, CmpE

Dana and Elaine Ditmore/ Gordon Family Scholar

Onur Olmez, Tech

Flextronics Scholar

Moath Othman, MatE

Hickman Family Scholar

Aishwarya Borkar, SE

Jabil Scholar

Katyann Melenbacker, ME

KLA-Tencor Scholars

Katie Burrows, CmpE
Matthew Ignao, ME
Bradley Keyer, GE

Lam Research Scholars

Alex Shen, CheE

Emma Legg Scholar

Nadia Zaka, CE

Lockheed Martin Scholar

Tyler Sanders, AE

MEP-Cisco Scholars

Andres Arreola, ME
Jose Ruiz, ME
Eulises Valdovinos, ISE

MESA Engineering Program Scholars

Abraham Ghebremeskel, EE
Jose Roberto Montenegro, CheE
Viviana Tacussis, AE

Doug Munson Scholar

Nicole Deleon, ISE
Tom George, EE

Parisi Family Scholars

Brandon Arias, AE
Alyssa Ruiz, ME

Harry Wong Scholars

Jared Gochuico, CE
Michael Souza, ME

SJSU Alumni Association

Joshua Cruz, CmpE
Jose Roberto Montenegro, CheE

National Action Council for Minorities in Engineering

Corayma Duarte, MatE
Jennifer Gamboa, GE
Khalif Moore-Stevenson, CmpE

National Science Foundation Engineering Leadership Pathway Scholars

Branden Andersen, ME
Leroi Vincent Baltazar, AE
Anthony Bowe, ME
Jonathan Carlson, ME
Travis Carmichael, BioMed
Jacqueline Chee, EE
Kareem Darkazanli, ME
Ronny Elor, BioMed
German Espinal, ME
James Fok, CE
Quynh Ho, BioMed
Carolyn Jaring, BioMed
Christopher Leon, CE

Thomas Nguyen, ME
Melissa Ortiz, CmpE
Christian Ruiz, CE
Kelli Sum, ISE
Kyle Thompson, CheE
Tai Tran, EE
Yvette Valdez-Carranza, CE
Michael Walker, MatE

National Science Foundation Engineering Leadership Pathway Faculty Mentors

Thalia Anagnos, GE
Richard Chung, ME
Robert Morelos, EE
Nicole Okamoto, ME
Laura Sullivan-Green, CE
Jacob Tsao, ISE

SCHOLARSHIP AWARDEES

APPLIED MATERIALS SCHOLARS



Juliana Camargo | *Computer Engineering*

"Before I graduate I am looking forward to new memories, new friends, and new opportunities."

Jordan Helledy | *Biomedical Engineering*

"In five years, I see myself with a Biomedical Engineering degree from SJSU with a job in either the Silicon Valley or Southern California. As of right now, I am more interested in the designing and building of medical devices and prosthetics instead of the theory."



Michael EJ Lee | *Computer Engineering*

"I'm most proud of the expansion of the company I started. We have grown massively and expanded further than I could have dreamed."

AMT-WIE SCHOLAR



Kiersten Miller
Civil Engineering

"I am a member in Engineers without Borders, Society of Women Engineers, Tau Beta Pi and the treasurer of the SJSU UNICEF club. I enjoy the people, projects and laughter these clubs bring to me during the semester."

WALTER C. BENZING SCHOLARS



Brian Todd Dowdle | *Materials Engineering*

"I have always looked up to engineers as people who have the knowledge and ability to tackle the world's toughest challenges, so naturally I wanted to be one!"

Eri Ashley Takam | *Biomedical Engineering*

"My research project is probably my biggest source of pride. It is something that I took the initiative to make it my own. To me, my research reflects my hunger for knowledge and eagerness to enrich myself."



CHING FAMILY SCHOLAR



Alyssa Walker | *General Engineering*

"I am currently on the Women's soccer team. I love soccer and it has always been a part of my life and I'm glad I can still play. It is challenging juggling my classes and soccer but I really enjoy it."

CALIFORNIA HOMEBUILDING FOUNDATION - BABBITT SCHOLAR



Ronald Short
Civil Engineering

"I am most proud of serving as the Vice President of Tau Beta Pi Engineering Honor Society while simultaneously successfully chartering SJSU's newest social fraternity Pi Kappa Phi as the Chartering President."

SCHOLARSHIP AWARDEES

CHARLES W. DAVIDSON SCHOLARS



Jared Gochuico | *Civil Engineering*

"I see myself going abroad and using my civil engineering skillset to aid underserved communities."

Yvette Valdez-Carranza | *Materials Engineering*

"I'm involved with ACI, ASCE, and MEP. Each one connects me to other students that share similar interests. These groups are fun because they provide an opportunity for exposure to industry or real-life engineering."



FLEXTRONICS SCHOLAR



Moath Othman | *Materials Engineering*

"I am involved with the Materials Advantage club, which is closely associated with the American Society of Materials. The most exciting part of being a member of MA was the ability to attend professional society meetings and meet industry professionals working on various projects relating to Materials Engineering."

DANA AND ELAINE DITMORE/ GORDON FAMILY SCHOLAR



Onur Olmez
Industrial Technology

"My biggest challenge was working on a project to be entered into competition for my student club on campus. I remember that we had a tight deadline with only 10 weeks to create, build, test, and finalize our project which was to create an entire mini factory to mass produce a smartphone docking system. We sacrificed almost all of our time during our winter break to be able to complete the project on time."

HICKMAN FAMILY SCHOLAR



Aishwarya Borkar | *Software Engineering*

"I chose software engineering because any knowledge of programming, be it the basic fundamentals or complex development skills, can empower an individual to contribute to society in the most creative and unimaginable ways."

JABIL SCHOLAR

Katyann Melenbacker | *Mechanical Engineering*

"I'm most proud of the independence and time management skills that I have developed. I have been able to support myself and keep an extremely busy schedule on my own."



KLA-TENCOR SCHOLARS



Katie Burrows | *Computer Engineering*

"I am most proud of seeing how much I have changed. Before SJSU I was someone that would blend into the background. Being at SJSU for one semester has changed that, now I am much more confident. I can approach someone first and strike up a wonderful conversation."

KLA-TENCOR SCHOLARS



Matthew Ignao
Mechanical Engineering

"I have been most proud of maintaining my scholarship so far. The engineering major is a difficult course load to maintain, so I am grateful for working hard in classes getting the desired grades to pass the courses."

SCHOLARSHIP AWARDEES

KLA-TENCOR SCHOLARS

Bradley Keyer | *General Engineering*

"The thing I will miss most once I graduate will be the convenience of living on campus. Everything from food to health care is within steps of the campus village. The less I have to drive my car, the better."

LAM RESEARCH SCHOLAR

Alex Shen | *Chemical Engineering*

"I chose Engineering after taking an Environmental Science course. What really opened my eyes was the immense amount of fossil fuels that we use every day to provide electricity to cities around the world. I hope that by going the engineering path, I can change that."



LOCKHEED MARTIN SCHOLAR



Tyler Sanders | *Aerospace Engineering*

"I am proud of getting a job with Lockheed Martin through a recruiter that came to SJSU."

EMMA LEGG SCHOLAR



Nadia Zaka

Civil Engineering

"One of the most fun projects I have worked on is recently in my CE 20 AutoCad and Programming lab. Learning the ins and outs of this program every week is such an interesting experience. AutoCad is a whole virtual world where you can recreate anything you've ever thought of and bring it to life on a computer."

MEP-CISCO SCHOLARS



Andres Arreola | *Mechanical Engineering*

"The transition to college and a big city from a small town is never easy. I was tested emotionally and intellectually due to the rigor of college. To surpass the setback I felt, I self-evaluated and that led to me discover what I want to truly study."

Jose Ruiz | *Mechanical Engineering*

"I worked on a system cooling project last semester with two close friends that I met at SJSU. We got to apply a lot of theory in order to effectively cool an LED light. I am proud of it just because I got to apply what I learned from several classes and it showed in our project."



Eulises Valdovinos

Industrial & Systems Engineering

"Before I graduate, I look forward to learning a ton of new material that will not only help me in my career, but also help me in my personal life."

CONSTANTINO-ROELANDTS SCHOLAR



Jo-Anna Marie Reyes

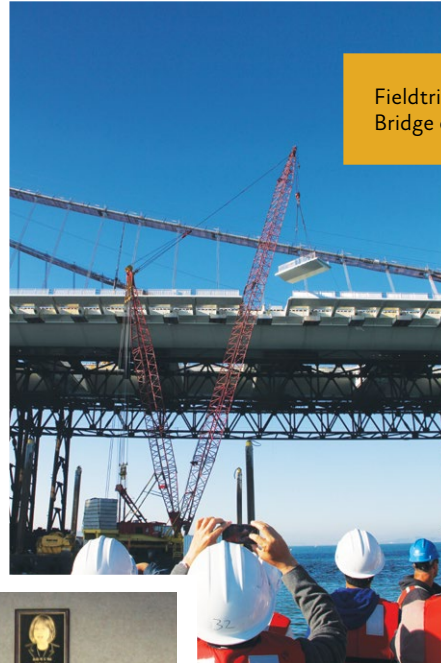
Computer Engineering

"I am most proud of continuing the path of becoming an engineer. Someone shared this quote with me "Without struggle, there is no progress." and since then I have realized that no matter how hard I am struggling, I am still growing and progressing."

Community event where we volunteered to teach middle school students STEM programs to motivate kids to become the scientists of the future



Fieldtrip to the new Bay Bridge construction site



Cisco field trip



BMES dinner and the BMES Summit that brought together Biomedical Societies from SJSU, UC Davis and UC Berkeley



Leadership Breakfast event

Viviana Tacussis: My first time brazing for my senior project rocket engine



Bay Area Science Festival at AT&T Park in San Francisco



German Espinal: My son's school that I volunteer at every Friday

SCHOLARSHIP AWARDEES

MESA ENGINEERING PROGRAM SCHOLARS



Abraham Ghebremeskel
Electrical Engineering

"When I graduate I will miss the Engineering building a lot, specially the MEP and IEEE community. It is where I spend most of my time, and it already is part of my everyday life."

Jose Roberto Montenegro | *Chemical Engineering*

"As a DREAMER I don't have many options to support my education, so help like this scholarship makes a difference for many students who work hard as me for a better future for myself and my family. Being the head of the household is not easy and puts a lot of stress on my shoulders since I have to take care of the monthly expenses as house, food, bills, etc. This scholarship is a blessing not only in my life, but in my family's life."

Viviana Tacussis | *Aerospace Engineering*

"My most memorable class has been my flight mechanics class AE 165 because it was taught by a female professor who has a lot of experience in the aerospace industry. Being a pilot, she encouraged us all to get experience in piloting aircraft, and she compelled me to try it. That class made me fall in love with aircraft."



DOUG MUNSON SCHOLARS



Nicole Deleon
Industrial & Systems Engineering

"I am looking forward to partaking in the Global Technology Initiative (GTI) this summer. I can't wait to meet new people, explore Taiwan, and ultimately gain a global perspective on technology."

DOUG MUNSON SCHOLARS



Tom George | *Industrial & Systems Engineering*

"I found Computer Science to be a strange language but one that was essential to learn. I am currently pursuing a minor in CS and the classes have shown me how relevant and important it is to be CS literate. Programming knowledge is required for everything today and the minor has given me a deeper understanding of the interplay between hardware and software."

PARISI FAMILY SCHOLARS

Brandon Arias | *Aerospace Engineering*

"This scholarship has played a huge role in allowing me to study in college because without it, it would be very difficult for me to attend college. I have also met many people through this scholarship."



Alyssa Ruiz | *Mechanical Engineering*

"I have learned and grown so much as a student and person since being here. I am extremely proud of my ability to push through the difficult times and rise up to the top."

SCHOLARSHIP AWARDEES

HARRY WONG SCHOLARS



Jared Gochuico | *Civil Engineering*

"I see myself going abroad and using my civil engineering skillset to aid underserved communities."

Michael Souza | *Mechanical Engineering*

"My scholarship has made a tremendous impact on my life. I put myself through college and currently have 2 part time jobs. Without this scholarship I would have not enjoyed the same academic success and had the time to take part in so many leadership opportunities."



SJSU ALUMNI ASSOCIATION



Joshua Cruz | *Computer Engineering*

"The most memorable class for me was Object-Oriented Concepts and Methodologies (CMPE 50) with Professor Frank Lin. I believe that this class was probably the turning point for me really feeling validated about my choice of major."

SJSU ALUMNI ASSOCIATION

Jose Roberto Montenegro
Chemical Engineering

"As a DREAMER I don't have many options to support my education, so help like this scholarship makes a difference for many students who work hard as me for a better future for myself and my family. Being the head of the household is not easy and puts a lot of stress on my shoulders since I have to take care of the monthly expenses as house, food, bills, etc. This scholarship is a blessing not only in my life, but in my family's life."

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING



Corayma Duarte | *Materials Engineering*

"Up until graduation, I am looking forward to further expanding my network, gaining more knowledge from my professors, and working with my peers."

Jennifer Gamboa | *General Engineering*

"With my ME degree I want to work in an area that combines my love for animals and my love for design to create habitats or structures that will help animals. Whether they are in zoos, kennels, or even game reserves, I would like to use my skills as an engineer to help those that don't have a voice."



Khalif Moore-Stevenson | *Computer Engineering*

"I am proud to be able to give back to the community by working in the MEP office as an advisor for the CELL Program."

NATIONAL SCIENCE FOUNDATION ENGINEERING LEADERSHIP PATHWAY SCHOLARS



Branden Andersen
Mechanical Engineering

"I am going to miss late nights in the IEEE room, making jokes and complaining about my courses with other students when I graduate. Once I graduate from SJSU, it will probably feel like I am leaving my family."

SCHOLARSHIP AWARDEES

NATIONAL SCIENCE FOUNDATION ENGINEERING LEADERSHIP PATHWAY SCHOLARS

Leroi Vincent Baltazar | *Aerospace Engineering*

"Once I graduate I will miss the adventure of meeting and working with different students and professors. Overcoming each day is a satisfying endeavor."

Anthony Bowe | *Mechanical Engineering*

"My biggest challenge was as an infant. According to medical doctors, I was supposed to have a severe learning disability because I was an adopted drug-addicted baby. However through hard work and the love of my family, I have proved that anything is possible."



Jonathan Carlson | *Mechanical Engineering*

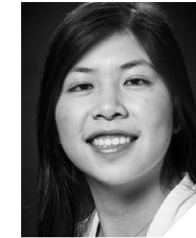
"I am looking forward to completing my senior project and working with clubs on campus in engineering competitions."



Travis Carmichael
Biomedical Engineering

"My biggest challenge was quitting my full time job in construction to come back to school. It was a struggle working long and unsteady hours while going to community college. However, I have been lucky enough to focus on school and pursue my dream of obtaining a Ph.D/M.D."

NATIONAL SCIENCE FOUNDATION ENGINEERING LEADERSHIP PATHWAY SCHOLARS



Jacqueline Chee | *Electrical Engineering*

"I am proud of many big achievements I made at SJSU. These include being recognized as a Dean's Scholar for two years, receiving ELPS scholarship, being selected to participate in Global Technology Initiative."

Kareem Darkazanli | *Mechanical Engineering*

"My biggest challenge was working 30 hours a week in 2 different jobs while remaining a full time student and maintaining my GPA. I overcame this challenge when receiving the ELPS scholarship as well as one from West Valley which has helped financially support me and allow me to focus solely on my courses."



Ronny Elor | *Biomedical Engineering*

"I'm proud of the teamwork and people skills I developed while at SJSU due to numerous group project/assignments in classes. I will be especially proud of my senior project once it is complete."



German Espinal
Mechanical Engineering

"I chose Engineering because of my passion for finding solutions to problems. I believe in Engineering as a powerful resource for making changes in our planet and society for good."

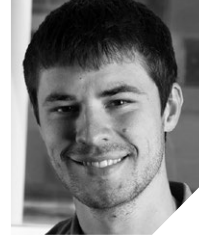
SCHOLARSHIP AWARDEES

NATIONAL SCIENCE FOUNDATION ENGINEERING LEADERSHIP PATHWAY SCHOLARS



James Fok | *Civil Engineering*

"Currently, I work for Santa Clara County: Roads and Airport Department for the Traffic Division. The most memorable thing about my internship is my supervisor. He is a great teacher, friend, and boss."



Christopher Leon
Civil Engineering

"One of the biggest challenges (and blessings) I have had in my life thus far has been trying to balance school and work, alongside being a father and husband. My family is absolutely the focus of my life, and while it has been a lot to handle, it is a challenge that I am most definitely suited for, and grateful to have."

Quynh Ho | *Biomedical Engineering*

"I chose engineering because my dad had a bypass surgery, and I realized the benefit of technologies to the human health. Growing up in a poor country where these technologies are luxury we couldn't afford, I really appreciate what engineering have done for human life."



NATIONAL SCIENCE FOUNDATION ENGINEERING LEADERSHIP PATHWAY SCHOLARS



Carolyn Jaring | *Biomedical Engineering*

"Because of this scholarship I am able to pursue my studies without having to worry about the financial burden."



Christian Ruiz
Civil Engineering

"CE 162 Structural Concrete Design has to be the most memorable class I have taken. No other class have I spent as many long nights preparing or studying for the material. The semester project taught me so much about the process and feasibility of the construction process of a concrete structure, information that will carry on throughout my professional career."

Thomas Nguyen | *Mechanical Engineering*

"It was challenging for me to break out of the my shell was definitely hard, but I overcame it through club activities and just being more involved, which helped me explore new things."



Melissa Ortiz | *Computer Engineering*

"My father owned his own engineering company and every day after school or on the weekends he would take me to his shop and show me around. I was always curious as to what he was doing. As I got older, I learned more and began to help him with projects. He made it fun and "cool", it never seemed like we were actually working. After I graduated high school, I knew I wanted to become an engineer just like him."

SCHOLARSHIP AWARDEES

NATIONAL SCIENCE FOUNDATION ENGINEERING LEADERSHIP PATHWAY SCHOLARS



Kelli Sum | *Industrial & Systems Engineering*

"In 5 years, I would like to either finish graduate school or be working full-time as an engineer. I hope to be in a leadership role and form solid relationships with my teammates to create innovative solutions to engineering problems."



Yvette Valdez-Carranza
Civil Engineering

"I'm involved with ACI, ASCE, and MEP. Each one connects me to other students that share similar interests. These groups are fun because they provide an opportunity for exposure to industry or real-life engineering."

NATIONAL SCIENCE FOUNDATION ENGINEERING LEADERSHIP PATHWAY SCHOLARS



Michael Walker | *Materials Engineering*

"Until I graduate, I look forward to doing all sorts of cool experiments in my classes along with doing a project that will have an impact (hopefully) on society."

Kyle Thompson | *Chemical Engineering*

"I am most proud of being able to carry on a family tradition of attending SJSU. My grandpa, dad, and sister all attended SJSU, receiving degrees in engineering and science. It makes me proud to know that one day I will share this with them."



Tai Tran | *Electrical Engineering*

"I am involved in a lot of activities of ELPS, MESA Engineering Programs, IEEE, and Tau Beta Pi. Sometimes it's challenging to keep the balance between clubs activities and school works."

NATIONAL SCIENCE FOUNDATION ENGINEERING LEADERSHIP PATHWAY FACULTY MENTORS

Thalia Anagnos
General Engineering

Richard Chung
Biomedical, Chemical & Materials Engineering

Robert Morelos
Electrical Engineering

Nicole Okamoto
Mechanical Engineering

Laura Sullivan-Green
Civil Engineering

Jacob Tsao
Industrial & Systems Engineering

SPECIAL THANKS

AMT-WiE

Applied Materials

Cadence

California Building Industry
Foundation – Lee A. Babbit

Charles W. Davidson Endowment

Ching Family

Dana and Elaine Ditmore
Endowment

David A. Brown Endowment

Doug Munson

Emma Legg Endowment

Flextronics

Gordon Family

Harry Wong Endowment

Hickman Family

Jabil

KLA-Tencor

Lam Research

Lockheed Martin

Maria and Wim Roelandts

MEP

National Action Council for
Minorities in Engineering

National Science Foundation

Parisi Family

SJSU Alumni Association

Walter C. Benzing Endowment

Use one word to describe your experience as an engineering student at SJSU:

Insightful Overwhelming

Unique Fun Illuminating Beautiful Extraordinary Rewarding
Intriguing Incredible Challenging Rejuvenating Potential
Fortunate Eventful Incredible
Growth Surreal Rigorous Determination Camaraderi
Enlightening Unforgettable Encouraging Dedication
Enriching Accomplished Sharpening Collaborative Hands-on
Memorable Entertaining Eye-opening Terrific Transformative Essential

Dynamic Solve Promising

Evolve Rewarding Politics

Fruitful Significant

Prestige Drive Limitless Exciting

Remarkable Fulfilling Inspiring Captivating Impactful Humbling

Challenging Opportunity Reliable Empowering Awesome

Innovative Broad Interesting Creativity Revolutionary

Use one word to describe what you think of engineering as a career: